

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/588,884  
Source: IFWP  
Date Processed by STIC: 8/18/06

***ENTERED***



IFWP

**RAW SEQUENCE LISTING** DATE: 08/18/2006  
**PATENT APPLICATION:** US/10/588,884 TIME: 15:56:28

Input Set : A:\PTO.KD.txt  
Output Set: N:\CRF4\08182006\J588884.raw

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3 <110> APPLICANT: Csaky, Karl G
4     Ponce, Lourdes
5     Kleinman, Hynda
7 <120> TITLE OF INVENTION: Therapeutic administration of the scrambled anti-angiogenic
8     peptide C16Y
10 <130> FILE REFERENCE: 41743.8005.US00
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/588,884
C--> 12 <141> CURRENT FILING DATE: 2006-08-09
12 <160> NUMBER OF SEQ ID NOS: 13
14 <170> SOFTWARE: PatentIn version 3.2
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 12
18 <212> TYPE: PRT
19 <213> ORGANISM: Artificial
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Scrambled version of C16 peptide
24 <300> PUBLICATION INFORMATION:
25 <301> AUTHORS: Ponce, M.L., Hibino, S., Lebioda, A.M., Mochizuki, M., Nomizu,
26     M., Kleinman, H.K.
27 <302> TITLE: Identification of a potent peptide antagonist to an active
28     laminin-1 sequence that blocks angiogenesis and tumor growth
29 <303> JOURNAL: Cancer Research
30 <304> VOLUME: 63
31 <306> PAGES: 5060-5064
32 <307> DATE: 2003-08-15
33 <313> RELEVANT RESIDUES: (1)..(12)
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43 <212> TYPE: PRT
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47 <223> OTHER INFORMATION: Minimum active sequence of C16Y peptide
49 <300> PUBLICATION INFORMATION:
50 <301> AUTHORS: Ponce, M.L., Hibino, S., Lebioda, A.M., Mochizuki, M., Nomizu,
51     M., Kleinman, H.K.
52 <302> TITLE: Identification of a potent peptide antagonist to an active
53     laminin-1 sequence that blocks angiogenesis and tumor growth
54 <303> JOURNAL: Cancer Research
55 <304> VOLUME: 63
56 <306> PAGES: 5060-5064

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57 <307> DATE: 2003-08-15  
58 <313> RELEVANT RESIDUES: (1)..(8)  
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83 <213> ORGANISM: Artificial  
85 <220> FEATURE:  
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111 <213> ORGANISM: Caenorhabditis elegans  
113 <300> PUBLICATION INFORMATION:  
114 <301> AUTHORS: C-elegans consortium  
115 <302> TITLE: Genome sequence of the nematode c. elegans: a platform for  
116 investigating biology  
117 <303> JOURNAL: Science (Wash. DC)  
118 <304> VOLUME: 282  
119 <306> PAGES: 2012-2018  
120 <307> DATE: 1998  
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123 <400> SEQUENCE: 6  
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126 1 5 10  
129 <210> SEQ ID NO: 7

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## RAW SEQUENCE LISTING

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130 <211> LENGTH: 4  
131 <212> TYPE: PRT  
132 <213> ORGANISM: Mus musculus  
134 <300> PUBLICATION INFORMATION:  
135 <301> AUTHORS: Nomizu, M., Yokoyama, F., Suzuki, N., Okazaki, I., Nishi, N.,  
136 Ponce, L.P., Kleinman, H.K., Yamamoto, Y., Nakagawa, S., Mayumi,  
137 T.  
138 <302> TITLE: Identification of homologous biologically active sites on the  
139 N-terminal domain of laminin a chains  
140 <303> JOURNAL: Biochemistry  
141 <304> VOLUME: 40  
142 <306> PAGES: 15310-15317  
143 <307> DATE: 2001  
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148 Val Ala Tyr Ile  
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152 <210> SEQ ID NO: 8  
153 <211> LENGTH: 4  
154 <212> TYPE: PRT  
155 <213> ORGANISM: Mus musculus  
157 <300> PUBLICATION INFORMATION:  
158 <301> AUTHORS: Nomizu, M., Kuratomi, Y., Song, S.Y., Ponce, M.L., Hoffman, M.P.,  
159 Powell, S.K., Miyoshi, K., Otaka, A., Kleinman, H.K., Yamada, Y.  
160 <302> TITLE: Identification of cell binding sequences in mouse laminin y-1  
161 chain by systematic peptide screening  
162 <303> JOURNAL: Journal of Biological Chemistry  
163 <304> VOLUME: 272  
164 <306> PAGES: 32198-32205  
165 <307> DATE: 1997  
166 <313> RELEVANT RESIDUES: (1)...(4)  
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174 <210> SEQ ID NO: 9  
175 <211> LENGTH: 5  
176 <212> TYPE: PRT  
177 <213> ORGANISM: Mus musculus  
179 <300> PUBLICATION INFORMATION:  
180 <301> AUTHORS: Grant, D.S., Tashiro, K., Segui-Real, B., Yamada, Y., Martin,  
181 G.R., Kleinman, H.K.  
182 <302> TITLE: Two different laminin domains mediate the differentiation of  
183 human endothelial cells into capillary-like structures in vitro  
184 <303> JOURNAL: Cell  
185 <304> VOLUME: 58  
186 <306> PAGES: 933-943  
187 <307> DATE: 1989  
188 <313> RELEVANT RESIDUES: (1)...(5)  
190 <300> PUBLICATION INFORMATION:

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PATENT APPLICATION: US/10/588,884

DATE: 08/18/2006

TIME: 15:56:29

Input Set : A:\PTO.KD.txt

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191 <301> AUTHORS: Iwamoto, Y., Robey, F.A., Graf, J., Sasaki, M., Kleinman, H.K.,  
192 Yamada, Y., Martin, G.R.  
193 <302> TITLE: YIGSR a pentapeptide from the B1 chain of laminin inhibits tumor  
194 cell metastases  
195 <303> JOURNAL: Science (Wash. DC)  
196 <304> VOLUME: 238  
197 <306> PAGES: 1132-1134  
198 <307> DATE: 1987  
199 <313> RELEVANT RESIDUES: (1)..(5)  
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210 <213> ORGANISM: Artificial  
212 <220> FEATURE:  
213 <223> OTHER INFORMATION: Scrambled version of C16 peptide  
215 <300> PUBLICATION INFORMATION:  
216 <301> AUTHORS: Ponce, M.L., Nomizu, M., Kleinman, H.K.  
217 <302> TITLE: An angiogenic laminin site and its antagonist bind through the  
218 avB3 and a5B1 integrins  
219 <303> JOURNAL: FASEB J  
220 <304> VOLUME: 15  
221 <306> PAGES: 1389-1397  
222 <307> DATE: 2001-06  
223 <313> RELEVANT RESIDUES: (1)..(12)  
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228 1 5 10  
231 <210> SEQ ID NO: 11  
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234 <213> ORGANISM: Artificial  
236 <220> FEATURE:  
237 <223> OTHER INFORMATION: Scrambled version of C16 peptide  
239 <300> PUBLICATION INFORMATION:  
240 <301> AUTHORS: Ponce, M.L., Hibino, S., Lebioda, A.M., Mochizuki, M., Nomizu,  
241 M., Kleinman, H.K.  
242 <302> TITLE: Identification of a potent peptide antagonist to an active  
243 laminin-1 sequence that blocks angiogenesis and tumor growth  
244 <303> JOURNAL: Cancer Research  
245 <304> VOLUME: 63  
246 <306> PAGES: 5060-5064  
247 <307> DATE: 2003-08-15  
248 <313> RELEVANT RESIDUES: (1)..(12)  
250 <400> SEQUENCE: 11  
252 Ile Lys Asp Tyr Leu Thr Phe Ala Arg Val Lys Phe  
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Input Set : A:\PTO.KD.txt

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258 <212> TYPE: PRT  
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265 <301> AUTHORS: Ponce, M.L., Hibino, S., Lebioda, A.M., Mochizuki, M., Nomizu,  
266 M., Kleinman, H.K.  
267 <302> TITLE: Identification of a potent peptide antagonist to an active  
268 laminin-1 sequence that blocks angiogenesis and tumor growth  
269 <303> JOURNAL: Cancer Research  
270 <304> VOLUME: 63  
271 <306> PAGES: 5060-5064  
272 <307> DATE: 2003-08-15  
273 <313> RELEVANT RESIDUES: (1)..(12)  
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277 Leu Thr Phe Arg Ala Lys Val Tyr Phe Ile Lys Asp  
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281 <210> SEQ ID NO: 13  
282 <211> LENGTH: 12  
283 <212> TYPE: PRT  
284 <213> ORGANISM: Mus musculus  
286 <400> SEQUENCE: 13  
288 Lys Ala Phe Asp Ile Thr Tyr Val Arg Leu Lys Phe  
289 1 5 10

RAW SEQUENCE LISTING ERROR SUMMARY                   DATE: 08/18/2006  
PATENT APPLICATION: US/10/588,884                   TIME: 15:56:30

Input Set : A:\PTO.KD.txt  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,10,11,12

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/588,884

DATE: 08/18/2006

TIME: 15:56:30

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\08182006\J588884.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date